

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  GHS/P501842WO	<b>FOR FURTHER ACTION</b>	
	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/GB2004/005054	International filing date (day/month/year)  01/12/2004	(Earliest) Priority Date (day/month/year)  16/12/2003
Applicant  DAVY PROCESS TECHNOLOGY LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (See Box II).

3.  **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

PROCESS FOR THE PRODUCTION OF ETHERS

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/005054

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07D307/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 86/03189 A (DAVY MCKEE LONDON) 5 June 1986 (1986-06-05) cited in the application page 14, line 30 – page 15, line 15; claim 1 -----	1
A	WO 99/35113 A (EURODIOL S A ; BERTOLA ALDO (IT)) 15 July 1999 (1999-07-15) cited in the application claim 1 -----	1
A	EP 1 108 702 A (KVAERNER PROCESS TECH LTD) 20 June 2001 (2001-06-20) claim 1 -----	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

10 February 2005

Date of mailing of the international search report

22/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

De Jong, B

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB2004/005054

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 8603189	A 05-06-1986	BR	8507068 A	14-07-1987
		CA	1249837 A1	07-02-1989
		EP	0204730 A1	17-12-1986
		ES	8701703 A1	01-03-1987
		WO	8603189 A1	05-06-1986
		JP	6055684 B	27-07-1994
		US	4751334 A	14-06-1988
		JP	62501702 T	09-07-1987
-----	-----	-----	-----	-----
WO 9935113	A 15-07-1999	BE	1011698 A6	07-12-1999
		AT	219039 T	15-06-2002
		AU	2715799 A	26-07-1999
		BR	9904793 A	16-05-2000
		CA	2280881 A1	15-07-1999
		CN	1255914 T	07-06-2000
		DE	69901758 D1	18-07-2002
		DE	69901758 T2	30-01-2003
		WO	9935113 A2	15-07-1999
		EP	0966416 A2	29-12-1999
		ES	2178875 T3	01-01-2003
		JP	2001516366 T	25-09-2001
		US	6248906 B1	19-06-2001
-----	-----	-----	-----	-----
EP 1108702	A 20-06-2001	EP	1108702 A1	20-06-2001
		AT	276989 T	15-10-2004
		AU	2195801 A	25-06-2001
		BR	0016363 A	01-10-2002
		CA	2394270 A1	21-06-2001
		CN	1414934 T	30-04-2003
		DE	60014155 D1	28-10-2004
		DE	60014155 T2	03-02-2005
		EP	1237833 A1	11-09-2002
		WO	0144148 A1	21-06-2001
		JP	2003517028 T	20-05-2003
		NO	20022804 A	27-06-2002
		TW	539663 B	01-07-2003
		US	2003100777 A1	29-05-2003
		ZA	200204292 A	29-05-2003
-----	-----	-----	-----	-----